

ABSTRACT OF THE DISCLOSURE

A refrigerant cycle includes an ejector having a throttle changeable nozzle. In the refrigerant cycle, a control valve having a needle valve controls a pressure of a middle-pressure refrigerant in a bypass passage, and a pilot valve controls a throttle opening degree of the nozzle in accordance with a pressure difference between the pressure of the middle-pressure refrigerant in the bypass passage and the refrigerant pressure in a high-pressure refrigerant inlet port of the ejector. When an opening degree of the needle valve is changed in accordance with a load variation or a load state, the pressure of the middle-pressure refrigerant in the bypass passage is changed. Accordingly, the moving position of the pilot valve is controlled, and the throttle opening degree of the nozzle is controlled.